Summary of Invention (cont. page 2)

This configuration will accomodate the possibility of the sharp edge of the mitered moulding having a burr that otherwise could mis-align the moulding during comparison . With this invention, the under side of the base plate could accomodate stick on , or otherwise attached , rubber pads to eliminate sliding when the invention is used on a solid surface .

The invention has a counterbored hole from the top surface of the base plate close to the end opposite the tab to accomodate a screw for mounting to a table or a vertical or angular wall . There is a second hole , passing through the tab portion mounted to the base plate , & the base plate , to accomodate a second mounting screw .

There are several means of providing the centrally located demarkation line on the base plate . One means would incorporate a solid surfaced base plate that has a riser pad with a centrally divided , two tone , color pattern down it's length for orientation of the moulding pairs . Another means would be having a small centrally located machined or extruded groove on the top surface of the base plate along it's entire length which could be filled with paint or the like for visiblity . A raised pad would then be applied to the top surface of the base plate on both sides of the centrally located groove . In both cases ; the riser pad(s) would stop short of the tab plate so as to leave a gap to accomodate any burr on the sharp edge of the moulding .

When locating a moulding pair on the invention the best way is to first place one piece of the pair against the tab plate with it's outter surface in contact with the riser pad & it's bottom surface inline with the centrally located demarkation line & press the moulding piece against the tab . While holding the first piece of the moulding pair in place the operator would then place the second piece of the moulding pair along side the first piece with it's outter surface in contact with the riser pad and it's bottom surface in contact with the bottom surface of the first piece from moulding pair & push the second moulding into the tab . While holding the two pieces of the moulding pair in place against the tab the operator would then pass a finger back and forth the mitered surfaces horizontally . The operator will sense any differences between the first and second pieces of the moulding pair as to lengths or mitered angles to as small as a few thousandths of an inch .

By using this method of operation ; an operator can compare moulding pairs that are longer than the base plate as the first moulding has already been located on the centerline for a portion of it's length .

Brief Description of Drawings

Fig **1** Is a prospective view of the invention showing one pair of mouldings in place to be compared .

Fig **2** Is a fragmented plan view of the invention .

Fig **3** Is a sectional view taken along line **3-3** of Fig **2**

Fig **4** Is a sectional view taken along line **4-4** of Fig **2**

Fig **5** Is a fragmented sectional view taken along line **5-5** of Fig **2**

Fig **6** Is a fragmented sectional view taken along line **6-6** of Fig **2**

Detail Description of Drawings

Turning to Figures **1** & **4** which show an overall view of the invention consisting of a rectangularly cross sectioned base of flat plate **1**of a sufficiant length to accomodate the pre cut mitered moulding pair **A** & **B** that are being compared . Affixed to the top surface **20** of plate **1** is a riser pad **2** of a given thickness to elevate surfaces **J** & **K** of moulding pieces **A** & **B** to a height sufficiant to clear any burrs that might exist on the sharp ends of the mitered mouldings that contact the radius **12** . The top surface of the riser pad **2** consists of a two tone colored pattern , centrally divided down it's length with a dark side **C** and a light side **D** and essentially cenralized along the length of the plate **1** and ending short of the radius **12** tab **3** .

Detail Description of Drawings (cont pg 4)

At one end of plate **1** is an essentially right angled tab **3** with a radius **12** along it's formed bend length is affixed to the top surface **20** of plate **1** by means of screws **5** and pins **6** . The radius **12** of tab **3** is aligned perpendicularly to the two tone colored cenrer line **X** created by the dark area **C** and the light area **D** of riser pad **2** and held in place by screws **5** until it is permanently fixed in place by pins **4** . On the bottom surface **21** of plate **1** are affixed rubberized pads **7** at three or more positions to elevate plate **1** from it's mounting table or surface to create a non slip condition while operating the invention .

Fig **2** is a plan view of the invention showing a pair of mouldings **A** & **B** placed in position with their bottom surfaces **E** & **F** in contact with each other and located along centerline **X** of the riser pad **2** and registering against the radius **12** of tab **3** with their outter surfaces **J** & **K** in contact with surfaces **C** & **D** of riser pad **2** .

Fig **3** is a fragmented sectional view along line **3-3** showing a pair of mouldings **A** & **B** with outter surfaces **J** & **K** in contact with the top surfaces **C** & **D** of riser pad **2** and mitered surfaces **L** & **M** in contact with the radius **12** of tab **3** . As illustrated by angle **G** , if mitered surfaces **L** & **M** are not of equal angle a variance will occur at the upper corner created by mitered surfaces **L** & **M** and the upper horizontal surfaces of mouldings **A** & **B** . AS shown by gap **H** , if there is a variation in length between moulding **A**& **B** a step will be formed between mitered surfaces **N**& **P** of mouldings **A** & **B** . If either , or both , of afforementioned variances occur they can be easily detected by the operator passing their finger back and forth across the mouldings **A** & **B** parallel to the upper surface of plate **1** , against surfaces **M** & **L** and then **N** & **P** . As little as a few thousanths of an inch can be detected . If the angles or lengths of the mouldings **A** & **B** are in variance they may be sanded on a commercially available miter sander .

Detail Description of Drawings (cont. page 5)

Mounting screw **6** at the opposite end of plate **1** from tab **3** passes through hole **9** with it's head located in a counterbored hole **8** to a depth that will allow the head of screw **6** to be below the surface **20** of plate **1** .Mounting screw **6** at the tab end of plate **1** passes through hole **11** in tab **3** and hole **10** in plate **1** . Because mounting screw **6** in hole **9** and counterbore **8** is located below surface **20** of plate **1** , a moulding of greater length than plate **1** can pass over top of screw **6** and will not interfere with the operation of the invention .

Fig **4** is a cross section along line **4-4** showing mouldings **A** & **B** in a centralized location with their bottom surfaces **E** & **F** abutting and in line with centerline **X** created by top surfaces **C** & **D** of riser pad **2** . Also shown is hole **9** and counterbore **8** for use by mounting screw **6** (not shown) .

Fig **5** is a fragmented sectional view along line **5-5** showing tab **3** attaching screw **5** threaded into hole **14** of plate **1** . To provide for alignment of radius **12** of tab **3** to centerline **X** a clearance is provided in hole **13** of tab **3** to allow attainment that alignment .

Fig **6** is a fragmented sectional view along line **6-6** showing locating pins **4** that pass through tab **3** into plate **1**. When radius **12** on tab **3** is oriented to it's correct perpendicular relationship to centerline **X** holes **24** in tab **3** would be transfer drilled creating holes **25** in plate **1** to allow insertion of pins **4** that will maintain correct orientation .

Thus it can be seen that the present invention provides a novel , inexpensive , and uncomplicated device for quickly and easliy checking the comparative angles & lengths of mitered moulding pairs (and the like) by means of a commonly shared centerline and commonly shared perpendicularly located radius to orient the pairs in a position to be accurately compared by the operator passing a